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File 351:DERWENT WPI 1963-1997/UD=9721;UA=9718;UM=9714

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 WPI Accession No: 96-444886  
 XRAM Accession No: C96-140057  
 New recombinant rat obese gene - used to develop prods. to study obesity  
 and to diagnose obesity and obesity factors  
 Patent Assignee: TAKEDA CHEM IND LTD (TAKE )  
 Inventor: FUJISAWA Y; NAKAO K; OGAWA Y  
 Number of Countries: 018 Number of Patents: 003  
 Patent Family:  

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP--736599	A2	19961009	96EP-0105353	A	19960403	C12N-015/12	199645 B
EP--736599	A3	19961211	96EP-0105353	A	19960403	C12N-015/12	199707
JP08333394	A	19961217	96JP-0079916	A	19960402	C07K-014/47	199709

Priority Applications (No Kind Date): 95JP-0077966 A 19950403

Cited Patents: 4. journal ref.; EP--725078; WO-9605309

Patent Details:

Patent	Kind	Lan	Pg	Filing	Notes	Application	Patent
EP--736599	A2	E	26				

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU  
 NL PT SE

JP08333394 A 11

Abstract (Basic): EP 736599 A

A new rat obese (ob) gene (I) having a recombinant 501 bp nucleic acid (or a 417 bp fragment of it) given in the specification. Also claimed are: (1) a 167 and a 135 amino acid protein (sequences given in the specification) encoded by the 501 bp nucleic acid and the 417 bp fragment respectively; (2) a vector comprising (I); (3) a host cell (pref. E. coli) transformed with (I); and (4) an antibody which reacts with a gene prod. coding for rat obese cDNA.

USE - The recombinant rat obese gene can be used to produce large amts. of the obese gene prod. and to diagnose obesity factors. The obese gene product can be used to elucidate obesity mechanisms in rats, to diagnose obesity and for screening for receptors. The anti-obese gene product antibodies can be used for detection and to diagnose obesity.

Dwg.0/2

Title Terms: NEW; RECOMBINATION; RAT; OBESITY; GENE; DEVELOP; PRODUCT;  
 STUDY; OBESITY; DIAGNOSE; OBESITY; OBESITY; FACTOR